IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re	the Appli	cation of:) Group Art Unit: Not Yet Assigned
	MAGII	LL et al.) Examiner: Not Yet Assigned
Serial	No.: Not	Yet Assigned) <u>INFORMATION DISCLOSURE</u>) <u>STATEMENT</u>
Filed:	Herewith)
Atty. I	File No.: 3	3944-13-CIP-1) Express Mail Label: EV368035947US
For:	FOR IN CONTI TION (SYNTI	OCESS AND APPARATUS MPROVING AN D ROLLING THE VULCANIZA- DF NATURAL AND HETIC RUBBER OUNDS"	
P.O. E	30x 1450	For Patents . 22313-1450	
Sir:			
	The ref	erences cited on attached Form P	TO-1449 are being called to the attention of the Examiner.
	\boxtimes	Copies of the cited foreign pate	nts and/or non-patent references are enclosed herewith.
	\boxtimes	Copies of the cited U.S. patents	and/or U.S. patent application publications are not enclosed
in acco	ordance w	vith the waiver dated July 11, 2003	3, whereby patent applications filed after June 30, 2003 and
interna	ational ap	plications that have entered the na	tional stage under 35 U.S.C. § 371 after June 30, 2003 need
not su	bmit copi	es of U.S. patents and U.S. patent	application publications.
		Are not enclosed, in accordance	with 37 C.F.R. 1.98(d), because the references were
	submitt	ed to the U.S. Patent and Tradema	ark Office in prior application Serial No.
	filed _	, which is relied	upon for an earlier filing date under 35 U.S.C. § 120.
		To the best of applicants' belief,	the pertinence of the foreign-language references are
believe	ed to be s	ummarized in the attached English	a abstracts and in the figures, although applicants do not
necess	arily vou	ch for the accuracy of the translati	on.
	\boxtimes	Examiner's attention is drawn to	the following co-pending applications, copies of which have
been o	r are bein	g submitted:	
		Serial No. 10/666,433 filed Sept	ember 18, 2003 (Atty. Dckt. No. 3944-13-CIP)
		Serial No. 10/267,197 filed Octo	ober 8, 2002 (Atty. Dckt. No. 3944-13)
		Serial No. 10/102,614 filed Mare	ch 19, 2002 (Atty. Dckt. No. 3944-6)

Submission of the above information is not intended as an admission that any item is citable under the statutes or rules to support a rejection, that any item disclosed represents analogous art, or that those skilled in the art would refer to or recognize the pertinence of any reference without the benefit of hindsight, nor should an inference be drawn as to the pertinence of the references based on the order in which they are presented. Submission of this statement should not be taken as an indication that a search has been conducted, or that no better art exists.

It is respectfully requested that the cited information be expressly considered during the prosecution of this application and the references made of record therein.

FEES

×	37 CFR 1.97(b): No fee is believed due in connection with this submission, because the information disclosure statement					
	submitted herewith is satisfies one of the following conditions ("X" indicates satisfaction):					
	Within three months of the filing date of a national application other than a continued prosecution					
	application under 37 CFR 1.53(d), or					
	Within three months of the date of entry into the national stage of an					
	international application as set forth in 37 CFR 1.491 or					
	Before the mailing date of a first Office Action on the merits, or					
	Before the mailing of a first Office action after the filing of a Request for					
	Continued Examination (RCE) under 37 CFR 1.114.					
	Although no fee is believed due, if any fee is deemed due in connection with this submission, please charge such fee to					
	Deposit Account 19-1970.					
	37 CFR 1.97(c): The information disclosure statement transmitted herewith is being filed after all the above conditions (37					
	CFR 1.97(b)), but before the mailing date of one of the following conditions:					
	(1) a final action under 37 C.F.R. 1.113 or					
	(2) a notice of allowance under 37 C.F.R. 1.311, or					
	(3) an action that otherwise closes prosecution in the application.					
	This Information Disclosure Statement is accompanied by:					
	A Certification (below) as specified by 37 C.F.R. 1.97(e). Although no fee is believed due, if any fee is					
	deemed due in connection with this submission, please charge such fee to Deposit Account 19-1970.					
	OR					
	A check in the amount of \$180.00 for the fee set forth in 37 C.F.R. 1.17(p) for submission of an					
	information disclosure statement. Please credit any overpayment or charge any underpayment to Deposit Account No. 19-					
	1970.					
	37 CFR 1.97(d): This Information Disclosure Statement is being submitted after the period specified in 37 CFR 1.97(c).					
	This information Disclosure Statement includes a Certification (below) as specified by 37 C.F.R. 1.97(e)					
	AND					
	Applicants hereby requests consideration of the reference(s) disclosed herein. Enclosed is the fee in the					
	amount of \$180.00 under 37 C.F.R. 1.17(p). Please credit any overpayment or charge any underpayment to Deposit					
	Account No. 19-1970. Please credit any overpayment or charge any underpayment to Deposit Account No. 19-1970.					
	Election to pay the fee should not be taken as an indication that applicant(s) cannot execute a certification.					

Certification (37 C.F.R. 1.97(e)) (Applicable only if checked)	
☐ The undersigned certifies that:	
☐ Each item of information contained in this information disclosure state any communication from a foreign patent office in a counterpart foreign at than three months prior to the filing of this statement. 37 C.F.R. 1.97(e)(1 ☐ A copy of the communication from the foreign patent off	application not more).
OR	
No item of information contained in this information disclosure stater communication from a foreign patent office in a counterpart foreign appli knowledge of the undersigned after making reasonable inquiry, no item o in this Information Disclosure Statement was known to any individual det 1.56(c) more than more than three months prior to the filing of this statem 1.97(e)(2).	ication, and, to the f information contained signated in 37 C.F.R.

Respectfully submitted,

SHERIDAN BOSS, P.C.

By: (

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Date: // CIR 1/IDS 01 umd

U.S. DEPARTMENT OF COMMERCE

INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)

PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. 3944-13-CIP-1	SERIAL NO. Not Yet Assigned		
APPLICANT VAN DOREN et al.			
FILING DATE	GROUP ART		

U.S. PATENT DOCUMENTS

Herewith

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROP.
	1	6,472,885	10/29/2002	Green et al.	324	688	
	2	10/102,614		Magill			3/19/2002
	3	09/815,342		Van Doren et al.			3/21/2001
	4	6,043,308	3/28/2000	Tanahashi et al.	524	495	
	5	5,996,006	11/30/1999	Speicher	709	218	
	9	5,961,913	10/5/1999	Haase	264	326	
	7	5,898,309	4/27/199	Becker et al.	324	688	
	8	5,874,832	2/23/1999	Gabelich	324	688	
	9	5,872,447	2/16/1999	Hager, III	324	71.7	
	10	5,749,986	5/12/1998	Wyatt	156	64	
	11	5,569,591	10/29/1996	Kell et al.	435	29	
	12	5,528,155	6/18/1996	King et al.	324	713	
	13	5,521,515	5/28/1996	Campbell	324	674	
	14	5,486,319	1/23/1996	Stone et al.	264	406	
	15	5,459,406	10/17/1995	Louge	324	688	
	16	5,453,689	9/26/1995	Goldfine et al.	324	239	
	17	5,317,252	5/31/1994	Kranbuehl	324	71.7	
	18	5,283,731	2/1/1994	Lalonde et al.	364	401	
	19	5,223,796	6/29/1993	Waldman et al.	324	688	
	20	5,219,498	6/15/1993	Keller et al.	264	40.2	
<u> </u>	21	5,208,544	5/4/1993	McBrearty et al.	324	688	
	22	5,207,956	5/4/1993	Kline et al.	264	40.6	
	23	5,201,956	4/13/1993	Humphrey et al.	118	716	
	24	5,184,077	2/2/1993	Day et al.	324	693	
	25	5,032,525	7/16/1991	Lee et al.	436	55	
	26	5,008,307	4/16/1991	Inomata	523	220	

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DATE CONSIDERED

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

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ATTY. DOCKET NO. 3944-13-CIP-1	SERIAL NO. Not Yet Assigned
APPLICANT MAGILL et al.	
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U.S. PATENT DOCUMENTS

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	1	6,472,885	10/29/2002	Green et al.	324	638	
	2	10/102,614		Magill			3/19/2002
	3	09/815,342		Van Doren et al.			3/21/2001
	4	6,043,308	3/28/2000	Tanahashi et al.	524	495	
	5	5,996,006	11/30/1999	Speicher	709	218	
	6	5,961,913	10/5/1999	Haase	264	326	
	7	5,898,309	4/27/199	Becker et al.	324	688	
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	9	5,872,447	2/16/1999	Hager, III	324	71.1	
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	12	5,528,155	6/18/1996	King et al.	324	713	
,	19	5,521,515	5/28/1996	Campbell	324	674	
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·	17	5,317,252	5/31/1994	Kranbuehl	324	71.7	
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APPLICANT MAGILL et al.

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APPLICANT MAGILL et al.	
FILING DATE Herewith	GROUP ART

FOREIGN PATENT DOCUMENTS

					SUB	TRANSLATION	
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	CLASS	YES	NO
 55	EP 1 050 888 A1	Nov. 3, 2000	Europe	H01B	1/20		
 56	EP 0 743 153 A1	Nov. 20, 1996	Europe	B29C	35/02		
 57	EP 0 540 103 B1	Feb. 7, 1996	Europe	C08K	5/3415		
 58	WO 99/13346	Mar. 18, 1999	PCT	G01R	27/04		<u> </u>

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59	"Automatic, Computer Controlled, Processing of Advanced Composites"; Defense Small Business Innovation Research (SBIR) Program; April 7, 1988; 25 pgs.
60	Baumgartner et al.; "Computer Assisted Dielectric Cure Monitoring in Material Quality and Cure Process Control"; SAMPE Journal; July/August 1983; pgs. 6-16
61	Buczek; "Considerations in the Dielectric Analysis of Composites"; 40 th International SAMPE Symposium; May 8-11, 1995; pgs. 696-710
62	Buczek; "Self-Directed Process Control System for Epoxy Matrix Composites"; 40th International SAMPE Symposium; May 8-11, 1995; 8 pgs.
63	"Critical Point Control/Statistical Quality Control Software Module"; Micromet Instruments; 1993; 2 pgs.
64	Desanges; "Changes in the Electrical Properties of Natural Rubber/Carbon Black Compounds During Vulcaniation"; Revue Generale du Caoutchouc; December 1957; 34(12); pgs. 631-649
65	"Dielectric Cure Testing on Polyester Bulk Molding Compound"; Holometrix Micromet; 2001; 3 pgs.; http://www.holometrix.com/holometrix/m materialtest.asp
66	"Dielectric Sensors"; NETZSCH; February 21, 2002; pgs.
67	"Eumetric System III Microdielectrometer"; Holometrix Micromet; 2001; 5 pgs.
68	"ICAM-1000 - In-mold Monitoring For SPC, SQC, and CPC (Critical Point Control) of Thermoset Molding Operations"; Micromet Instruments, Inc.; at least as early as March 1990; 4 pgs.
69	"ICAM-1000 Industrial Cure Analysis & Monitoring System"; Micromet Instruments, Inc.; August 1, 1991; 1 pg.
70	"ICAM-2000 Multi-Channel Cure Analyzer"; Micromet Instruments; 1993; 2 pgs.
71	Johnson et al.; "Production Implementation of Fully Automated, Closed Loop cure Control for Advanced Composite Strucutres"; 34th International SAMPE Symposium; May 8-11, 1989; pgs. 373-384

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Keller et al.; "Computer Controlled Processing of Composites Utilizing Dielectric Signature Curves"; SAMPE Journal; September/October 1992; 28(5); pgs. 25-33
Keller et al.; "Real Time, In-Situ Dielectric Monitoring of Advanced Composites Curing Processes"; <i>Programmed Composites, Inc.</i> ; August 1, 1987; 63 pgs.
Khastgir, "A Comparative Study of Step Curing and Continuous Curing Methods"; Rubber World; January 1994; pgs. 28-31
"Lockheed Signature Process Control for Composites Proposal"; Ketema Programmed Composites, Inc.; July 1, 1993; pgs. 1-12
"MDE Series 10 Cure Monitor"; Holometrix Micromet; at least as early as March 15, 2000; 2 pgs.
"Mono-Probe"; TYT-NAM-MON; October 27, 2000; 1 pg.
"Northrop Aircraft Division RTM System Proposal"; Ketema Programmed Composites, Inc.; April 1, 1993; 13 pgs.
"Notification of Transmittal of the International Search Report or the Declaration" from the Patent Cooperation Treaty in International Patent Application No. PCT/US02/32480 filed October 9, 2002.
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"Vulcanization of Natural Rubber"; NETZSCH; November 8, 2001; 2 pgs.

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